

58556PCT  
SEQUENCE LISTING

<110> ESHELMAN, JAMES R.

<120> ANTIGENE LOCKS AND THERAPEUTIC USES THEREOF

<130> 58556-PCT(71699)

<140> PCT/US03/05789

<141> 2003-02-24

<150> 60/359,116

<151> 2002-02-22

<150> 60/359,614

<151> 2002-02-25

<150> 60/366,674

<151> 2002-03-22

<160> 27

<170> PatentIn Ver. 2.1

<210> 1

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 1

tgaaattttt tctacctctt tgagga

26

<210> 2

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 2

tgaaatagat ggtccagctg ttccagctgg accatctatt tctacctcct cctctgagct 60  
gtctttgaca gctcagagga ggaggagga 89

<210> 3

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 3

gtgactttgt cagcacgttt tacgtc

26

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<210> 4  
 <211> 103  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 4  
 gtgactggga aaaccctggc gtttcgccag ggttttccca gggttttccc agtcagcacg 60  
 ttgtaaaacg acggccagtt tctggccgtc gttttacaac gtc 103

<210> 5  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 5  
 agctagcagc ggccgcgacc aagct 25

<210> 6  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 6  
 tggtcgcggc cgctgct 17

<210> 7  
 <211> 20  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 7  
 taccgcacag atgcgtaagg 20

<210> 8  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 8  
 atgcagctgg cacgacaggt 20

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<210> 9  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 9  
 ggtatggcat gatagcgccc 20

<210> 10  
 <211> 14  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 10  
 gaatcggcca acgc 14

<210> 11  
 <211> 20  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 11  
 tgaaaggcat tgccgacgat 20

<210> 12  
 <211> 21  
 <212> DNA  
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<220>  
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<400> 12  
 ccgggattgt cgactgttca c 21

<210> 13  
 <211> 43  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 13  
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<210> 14  
 <211> 41  
 <212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

<400> 14

caggaaacag ctatgacaga acagatgggg cacacaattc c 41

<210> 15

<211> 92

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 15

agtcgacctg gaggcattgca atttttgcat gcctccaggt cgacagtaga cgttccccgc 60  
gtaccgattt tcggtacgcg gggatcctct ag 92

<210> 16

<211> 92

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 16

gtgactggga aaaccctggc gtttcgccag ggttttccca gtcagcacgt tgtaaaacga 60  
cggccagttt ctggccgtcg ttttacaacg tc 92

<210> 17

<211> 92

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 17

ggtttaaggg cgtacatcga gtttctcgat gtacgccctt aaacgccact cagggagcat 60  
ggcggatttt atccgccatg ctccctgagt gc 92

<210> 18

<211> 86

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 18

ccgagggttg acacctgacg tttcgtcagg tgtgcaacct cgccgatccg gtggggcagg 60  
taatttttac ctgccccacc ggatcc 86

<210> 19  
 <211> 86  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 19  
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 ggttttaccg gatgccgcgc acaccg 86

<210> 20  
 <211> 86  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 20  
 gctgggatta caggcgtgag tttctcacgc ctgtaatccc aggtctttgg gaggccgagg 60  
 tggtttccac ctgcgcctcc caaagt 86

<210> 21  
 <211> 86  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 21  
 tagccgaacc tagtggtacc ttggtacca ctaggttcgg ctggaagctc cccgggtgag 60  
 ctgtttcagc tcaccggggg agcttg 86

<210> 22  
 <211> 86  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Synthetic  
 oligonucleotide

<400> 22  
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 gtctttgaca gtcagagga ggagga 86

<210> 23  
 <211> 86  
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<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 23

gatgatcatg aagtaggaag tttcttccta cttcatgac atgccccgca gacttcggtt 60  
tcgittcgaa acggaagtct gcgggc 86

<210> 24

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<400> 24

gacggccagt gaattcgagc tcggtacccg gggat 35

<210> 25

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

<220>

<221> modified\_base

<222> (17)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (21)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (23)..(25)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (27)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (30)

<223> a, t, c or g

<220>

<221> modified\_base

<222> (32)

<223> a, t, c or g

<220>

<221> modified\_base

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&lt;222&gt; (35)..(36)

&lt;223&gt; a, t, c or g

&lt;400&gt; 25

gacggccagt gaattancct ntnnnncnccn tntcnn

36

&lt;210&gt; 26

&lt;211&gt; 37

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

&lt;400&gt; 26

tgattacgcc aagcttgcat gcctgcaggt cgactct

37

&lt;210&gt; 27

&lt;211&gt; 37

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Synthetic  
oligonucleotide

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (18)

&lt;223&gt; a, t, c or g

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (21)

&lt;223&gt; a, t, c or g

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (23)

&lt;223&gt; a, t, c or g

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (25)

&lt;223&gt; a, t, c or g

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (27)

&lt;223&gt; a, t, c or g

&lt;220&gt;

&lt;221&gt; modified\_base

&lt;222&gt; (36)

&lt;223&gt; a, t, c or g

&lt;400&gt; 27

tgattacgcc aagctagntt ncntncngga cagacnc

37

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